

Before the  
**FEDERAL COMMUNICATIONS COMMISSION**  
Washington, D.C. 20554

In the Matter of )  
Amendment of Section 73.202(b) )  
Table of Allotments, )  
FM Broadcast Stations. )  
(Willows, California) )  
)

SEP 16 1994

To: Chief Allocations Branch

DOCKET FILE COPY ORIGINAL

Petition For Rule Making

1. On behalf of KIQS, Inc., a California corporation and licensee of KIQS (AM), Willows, California, ("Petitioner"), the undersigned hereby submits this Petition for Rule Making to amend the FM Table of Allotments, Section 73.202(b) of the Commission's rules as follows:

	Present	Proposed
Willows, CA	288A	288A, 292A

2. Pacific Spanish Network, Inc., licensee of KQSC (FM), Channel 288A at Willows, has pending before the Commission, a Petition for Rule Making, MM Docket No. 94-29, to move Channel 288 to Dunnigan, California, and to upgrade KQSC (FM) to Class B1 facilities.

3. The attached engineering statement in support of Petitioner's petition requires a site restriction of 14.1 kilometers southeast of the center of Willows, and shows a city grade signal in compliance with Section 73.315(a). No other channels can be allotted to Willows, and engineering studies show

4. Petitioner asserts that upon allotment of Channel 292A to Willows and establishment of a filing window, KIQS, Inc., will file an application for construction permit for Class A facilities on Channel 292, accordingly.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Anthony F. Rusnak", is written over a horizontal line.

Anthony F. Rusnak, President  
KIQS, Inc.  
118 W. Sycamore St.  
Willows, CA 95988  
(916) 934-4654

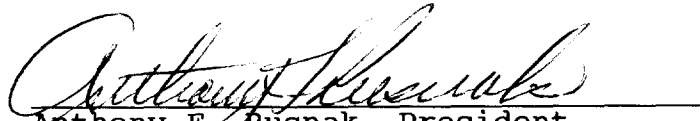
August 30, 1994

Certification

1. I, Anthony F. Rusnak, certify that I am not subject to a denial of Federal benefits including FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.

2. I, Anthony F. Rusnak, certify that the information contained in the foregoing Petition for Rule Making dated as of August 30, 1994 is true and accurate to the best of my knowledge.

Respectfully submitted,

  
Anthony F. Rusnak, President  
KIQS, Inc.  
118 W. Sycamore St.  
Willows, CA 95988

SEP 16 1994

# **ENGINEERING EXHIBITS IN SUPPORT OF PETITION FOR RULE MAKING**

August 30, 1994

**KIQS, Inc.  
FM Channel 292A □ 106.3 Megahertz  
Willows, California**



**LAWRENCE L. MORTON ASSOCIATES**  
1231 MESA OAKS LANE  
MESA OAKS, CALIFORNIA 93436-2309  
(805) 733-4275 / FAX (805) 733-4793

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E-4	Map Showing 60 dB $\mu$ F(50,50) Service Contour Computed Along 360 Bearings From Class A Facility Operating at Proposed Fully-Spaced Allotment Reference Site
E-5	Map Showing 70 dB $\mu$ F(50,50) City Grade Contour and Willows City Limits
E-6	1990 U.S. Census Demographics For Area Encompassed by 60 dB $\mu$ Service Contour from Allotment Reference Site

## **EXHIBIT E-1 ENGINEERING STATEMENT**

The information and data contained within these Engineering Exhibits were prepared on behalf of KIQS, Inc., in support of a petition for rule making. The petitioner proposes to amend the FM Table of Allotments, 47 C.F.R. § 73.202(b) of the Commission's Rules, by adding Channel 292A at Willows, California.

### **I. WILLOWS, CALIFORNIA**

The incorporated City of Willows is located within southeastern Glenn County in the central portion of the State of California.

The United States Geological Survey centroid geographical coordinates of Willows are:

North Latitude: 39 degrees, 31 minutes, 18 seconds  
West Longitude: 122 degrees, 11 minutes, 48 seconds

Willows has a 1990 U.S. Census population of 5,988. Within a five-kilometer radius of the center of Willows there is a population of 7,598 persons, and 9,023 persons reside within a fifteen-kilometers radius.

### **II. ALLOTMENT OF CHANNEL 292A**

The proposed allotment of Channel 292A at Willows, California, requires a site restriction of 14.1 kilometers southeast of the center of Willows to avoid short-spacings with first adjacent channel Class C station KARZ(FM), licensed to Burney, California, and second adjacent channel Class B station KDIG(FM), licensed to Orland, California. The petitioner has identified a hypothetical transmitter site that complies with the Commission's spacing requirements. The geographical coordinates of this proposed reference site are:

North Latitude: 39 degrees, 25 minutes, 56 seconds  
West Longitude: 122 degrees, 04 minutes, 50 seconds

Exhibit E-5 shows that it is possible to place 70 dBμ or greater signal strength across more than 80 percent of the city limits of Willows in compliance with § 73.315(a). Exhibit E-2 shows the fully spaced area to locate Channel 292A and the proposed reference site in relation to the city limits of Willows.

Exhibit E-4 shows the 60 dBμ F(50,50) service contour from a full Class A facility operating at the proposed allotment reference site. The predicted 60 dBμ contour would

encompass a land area of 2,514 square kilometers containing a 1990 Census population of 19,828 persons. This population count is derived from the 1990 U.S. Census evaluated at the block level. Exhibit E-6 tabulates the demographics of the population within the 60 dB $\mu$  contour.

### **III. ALTERNATE CHANNEL AT WILLOWS**

A study was undertaken to determine whether any other Class A channels could be allotted to Willows. The results of the study showed that no other channels are available in the immediate area around Willows and that Channel 292A is the only channel from which 70 dB $\mu$  service could be provided to the community.

### **IV. MINIMUM SPACING REQUIREMENTS**

The following table shows a listing of the nearest licensed facilities and allocations currently on file with the required distance separations for Channel 292A. For clarity, facilities that are greater than 350 kilometers beyond the minimum required separations are not shown.

As required by § 73.207 all minimum distance separation requirements are met from the hypothetical reference site. All distances were computed by the methods outlined in § 73.208(c) of the Commission's Rules and were rounded to the nearest kilometer in accordance with § 73.208(c)(8).

<b>ALLOCATION-PERTINENT STATIONS AND SPACING REQUIREMENTS OF § 73.207</b>					
<b>CALL LETTERS</b>	<b>CHANNEL /CLASS</b>	<b>NORTH LATITUDE</b>	<b>WEST LONGITUDE</b>	<b>ACTUAL DISTANCE</b>	<b>REQUIRED DISTANCE</b>
KNEV	238-C	39° 15' 34"	119° 42' 16"	206. Km	29. Km
KALF	239-B	39° 55' 03"	122° 40' 12"	74	15
KBOY-FM	239-C1	42° 27' 11"	123° 03' 21"	345	22
KOZZ-FM	289-C	39° 15' 34"	119° 42' 21"	206	95
KQPM	290-B	39° 07' 50"	123° 04' 32"	92	69
KARZ	291-C	40° 54' 21"	121° 49' 38"	165	165
KFIE	292-A	37° 25' 34"	120° 26' 23"	265	115
NEW	292-C3	42° 17' 51"	122° 45' 00"	323	142
ALLOC	293-C	41° 29' 18"	120° 32' 18"	263	165
KWOD	293-B	38° 38' 30"	121° 05' 25"	123	113
KDIG	294-B	39° 53' 17"	122° 37' 38"	69	69
KRNO-FM	295-C	39° 18' 38"	119° 53' 01"	190	95
KEAR	295-B	37° 50' 58"	122° 29' 56"	179	69

## **V. CONCLUSION**

From this study it has been determined that the FM Table of Allotments of § 73.202(b) of the Commission's Rules may be amended with technical compliance of all applicable Rules. The petitioner, KIQS, Inc., respectfully requests the following change to the Table:

<b><u>PRESENT</u></b>	
<b><u>COMMUNITY</u></b>	<b><u>CHANNEL</u></b>
Willows, California	288A <sup>1</sup>
<b><u>PROPOSED</u></b>	
<b><u>COMMUNITY</u></b>	<b><u>CHANNEL</u></b>
Willows, California	288A, 292A <sup>1</sup>

The petitioner asserts that, upon allotment of Channel 292A to Willows and establishment of a filing window, KIQS, Inc., will file an application for construction permit for Class A facilities on Channel 292, accordingly.

It is believed that all methods employed in making the determinations contained within these Engineering Exhibits were in accordance with applicable F.C.C. Rules and Regulations and good engineering practice.

Respectfully Submitted,

**Lawrence L. Morton, P.E.**  
**Consulting Engineer to the Petitioner**  
**August 30, 1994**

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<sup>1</sup> Pacific Spanish Network, Inc., licensee of KQSC(FM), Channel 288A at Willows, has pending before the Commission a Petition for Rule Making, MM Docket No. 94-29, to move Channel 288 to Dunnigan, California, and to upgrade KQSC(FM) to Class B1 facilities. If that petition is granted, Channel 288A will no longer be allotted to Willows, and the proposed allotment of Channel 292A at Willows will result in restoration of local service to the community.



## AFFIDAVIT

State of California                     )  
  )   ss:  
County of Orange                     )

Lawrence L. Morton, being first duly sworn upon oath, deposes and says:

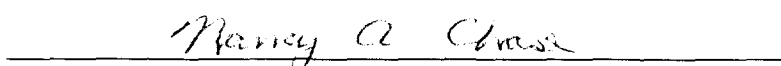
- That he is a qualified engineer,
- That he is a Registered Professional Engineer in the State of California,
- That he is a member of the Association of Federal Communications Consulting Engineers,
- That his qualifications are a matter of record with the Federal Communications Commission,
- That he has prepared many broadcast applications and engineering exhibits that have been filed with and granted by the Federal Communications Commission,
- That he has carried out such engineering work and that the results thereof are attached hereto and form part of this affidavit, and
- That the foregoing statement and the report regarding the aforementioned engineering work are true and correct of his own knowledge.

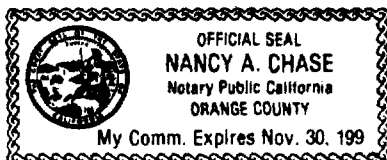
Date: August 30, 1994

  
\_\_\_\_\_  
Lawrence L. Morton, P.E.

On August 30, 1994, before me, Nancy A. Chase, a Notary Public, in and for the State of California, personally appeared Lawrence L. Morton known to me to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same.

My Commission expires 11/30/94

  
\_\_\_\_\_  
Notary Public



Lambert Azimuthal Equal-Area

5' 00" Graticule Spacing

CENTER OF MAP:

N LAT 39 28' 45.00"

W LON 122 10' 09.00"

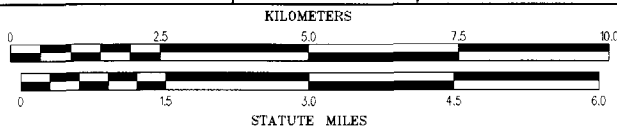
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EXHIBIT E-2

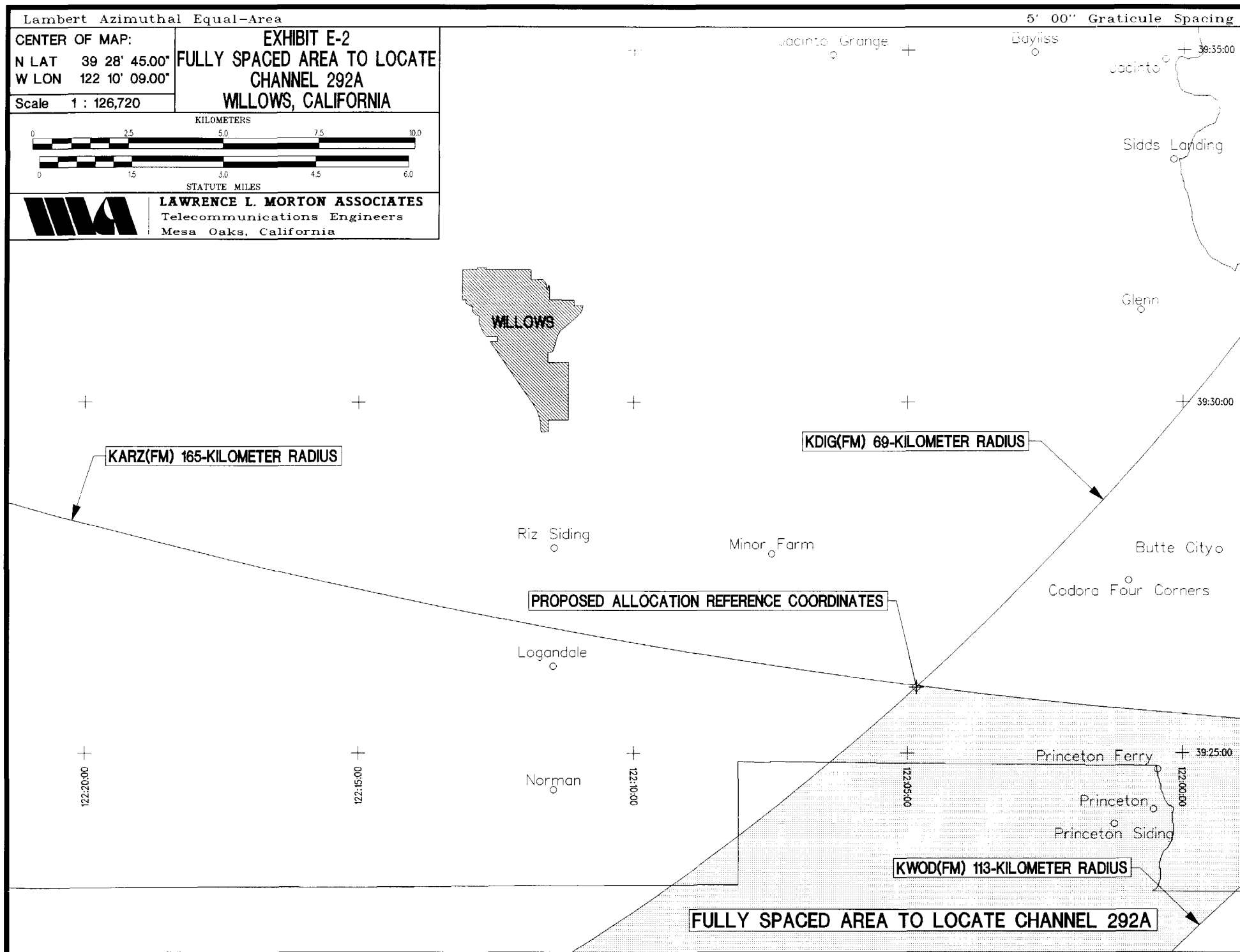
FULLY SPACED AREA TO LOCATE

CHANNEL 292A

WILLOWS, CALIFORNIA



**LAWRENCE L. MORTON ASSOCIATES**  
Telecommunications Engineers  
Mesa Oaks, California



Lambert Azimuthal Equal-Area

5' 00" Graticule Spacing

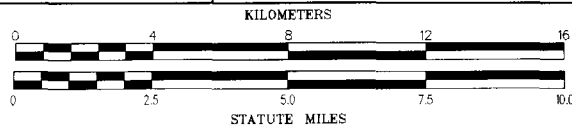
CENTER OF MAP:

EXHIBIT E-3

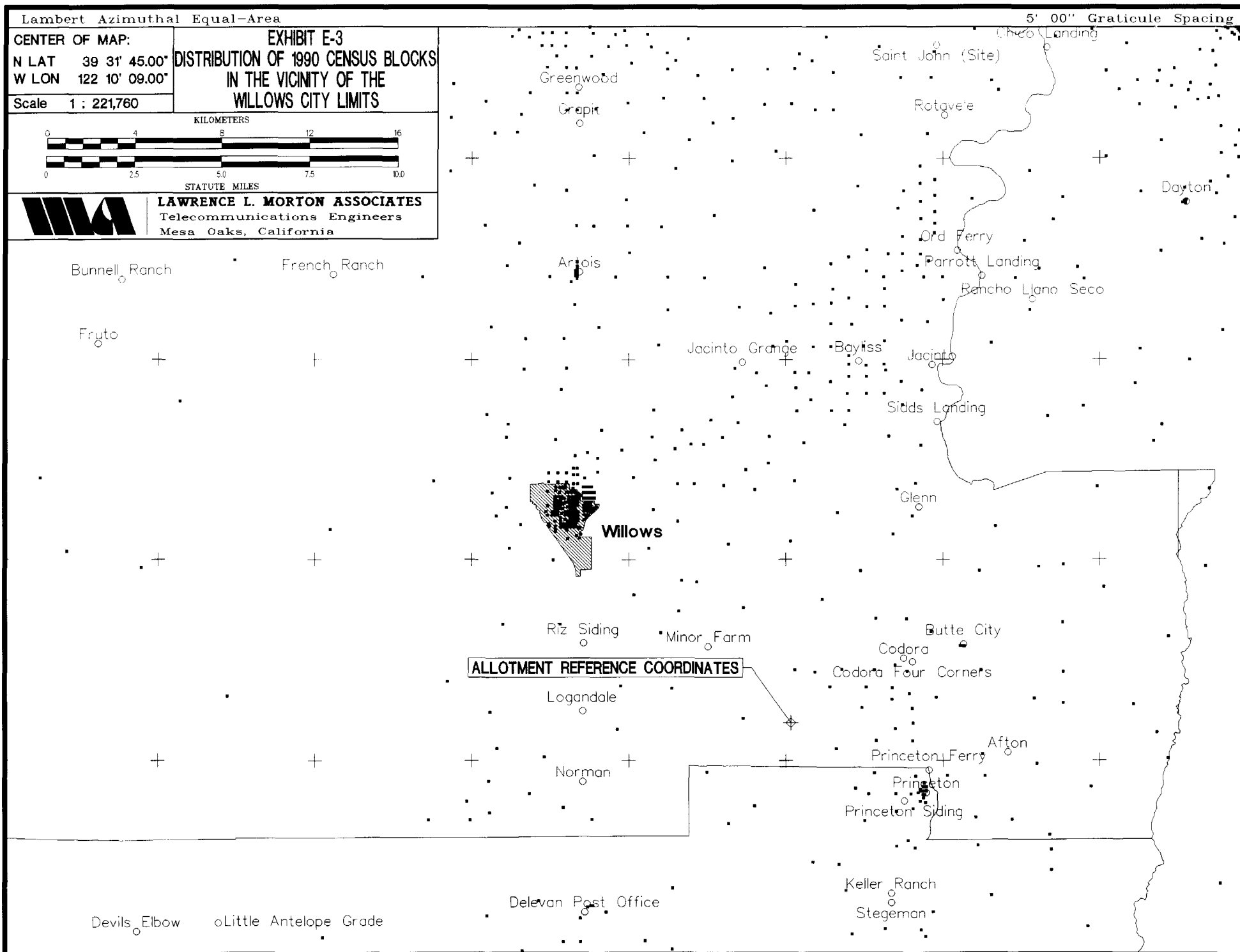
N LAT 39 31' 45.00"  
W LON 122 10' 09.00"

DISTRIBUTION OF 1990 CENSUS BLOCKS  
IN THE VICINITY OF THE  
WILLOWS CITY LIMITS

Scale 1 : 221,760



**LAWRENCE L. MORTON ASSOCIATES**  
Telecommunications Engineers  
Mesa Oaks, California



7' 30" Graticule Spacing

EXHIBIT E-4

60 DBU SERVICE CONTOUR  
FROM HYPOTHETICAL CLASS A  
FACILITY OPERATING AT THE

PROPOSED ALLOTMENT REFERENCE SITE

KILOMETERS



STATUTE MILES

**LAWRENCE L. MORTON ASSOCIATES**

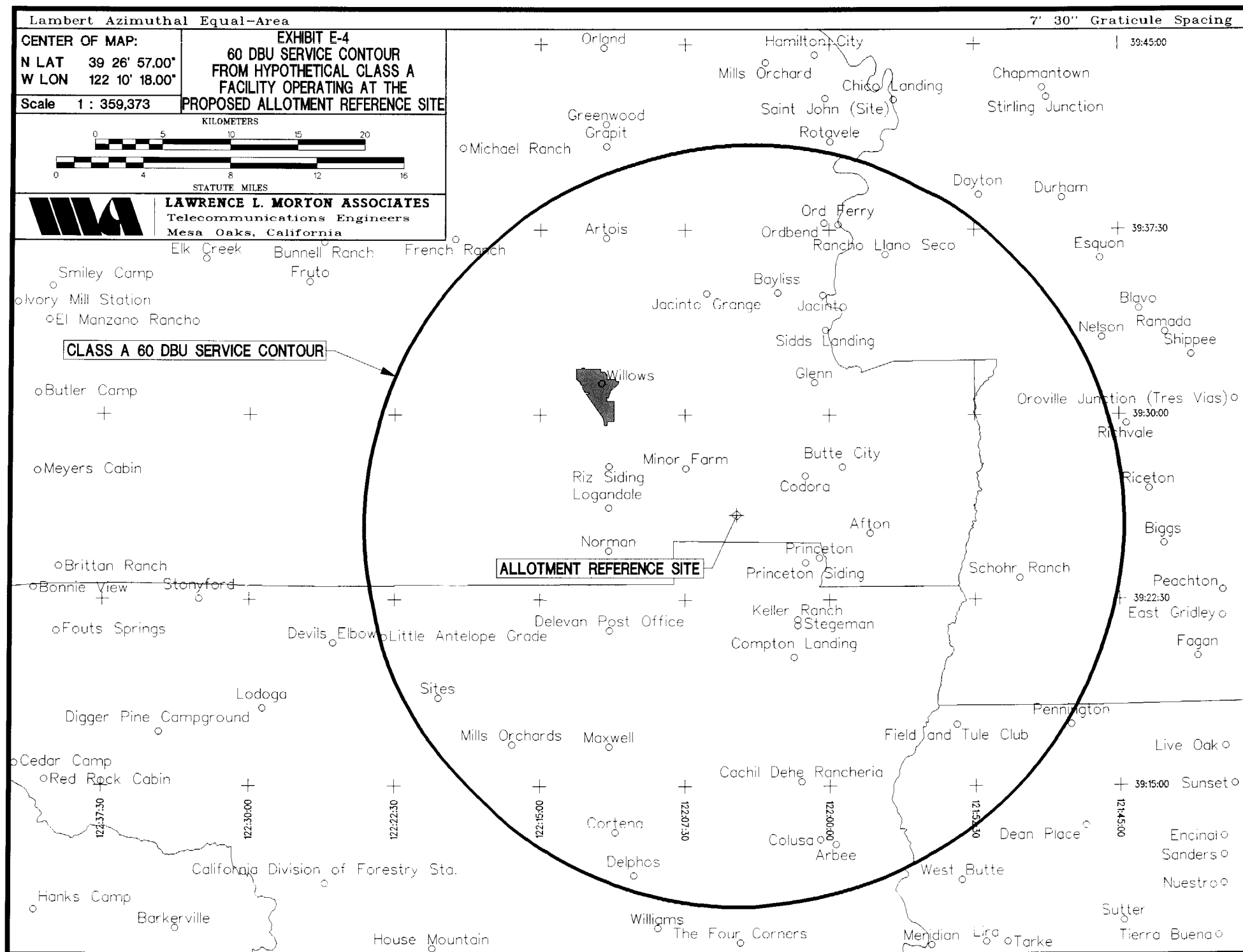
## Telecommunications Engineers

Mesa Oaks, California



CLASS A 60 DBU SERVICE CONTOUR

ALLOTMENT REFERENCE SITE	
--------------------------	--



Lambert Azimuthal Equal-Area

2' 30" Graticule Spacing

CENTER OF MAP:

N LAT 39 28' 51.00"

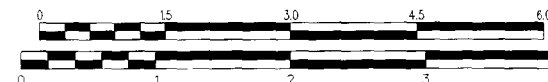
W LON 122 07' 58.00"

Scale 1 : 90,707

EXHIBIT E-5

70 DBU CITY GRADE CONTOUR  
OVER WILLOWS CITY LIMITS  
FROM FULLY SPACED CLASS A  
FACILITY AT ALLOTMENT SITE

KILOMETERS



STATUTE MILES



LAWRENCE L. MORTON ASSOCIATES  
Telecommunications Engineers  
Mesa Oaks, California

Glenn

39:32:30

39:30:00

39:27:30

39:25:00

122:15:00

122:12:30

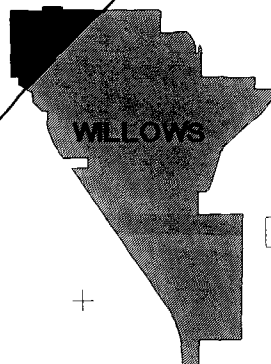
122:10:00

122:07:30

122:05:00

122:02:30

122:00:00



91.3 PERCENT OF CITY RECEIVES 70 DBU OR GREATER SERVICE

CITY GRADE 70 DBU F(50,50) CONTOUR

Riz Siding

Minor Farm

Logandale

Codora  
Codora Four Corners

ALLOTMENT REFERENCE SITE

Norman

Princeton Ferry

Princeton

**EXHIBIT E-6**  
**1990 U.S. CENSUS DEMOGRAPHICS**  
**WITHIN HYPOTHETICAL 60 dB $\mu$  SERVICE CONTOUR**  
 KIQS, Inc.  
 August 1994

DEMOGRAPHICS	POPULATION WITHIN 60 dB $\mu$ CONTOUR	
	TOTAL	PERSONS 18+ YEARS
<b>TOTAL POPULATION</b>	19,828	13,761
<b>RACE</b>		
White	16,318	11,734
Black	95	66
American Indian, Eskimo or Aleutian	455	300
Asian or Pacific Islander	945	446
Other	2,015	1,215
<b>HISPANIC ORIGIN AND RACE</b>		
Hispanic	3,876	2,273
<b>NOT OF HISPANIC ORIGIN</b>		
White	14,553	10,718
Black	86	62
American Indian, Eskimo or Aleutian	388	266
Asian or Pacific Islander	889	419
Other	36	23
<b>TOTAL HOUSING UNITS</b>	7,653	
<b>CENSUS BLOCKS COUNTED</b>	816	
<b>AREA IN SQUARE KILOMETERS</b>	2,514.352	
<b>AREA IN SQUARE MILES</b>	970.797	